MMM MMM MMM MMM MMM MMM MMMMM MMMMMM		HHH HH HHH HH	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR		LLL
MMMMM MMMMMM	111	HHH HH		III	LLL
MMMMM MMMMM	777	HHH HH		ŢŢŢ	LLL
	ŤŤŤ			III	LLL
		нин ин		III	LLL
MMM MMM MMM	III	ннн нн		III	LLL
MMM MMM MMM	III	ннн нн		TTT	LLL
MMM MMM	TTT	нининининини		TTT	LLL
MMM MMM	TTT	нининининини	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	TTT	LLL
MMM MMM	TTT	нининининини	RRRRRRRRRRRR	TTT	LLL
MMM MMM	TTT	ннн нн		ŤŤŤ	III
MMM MMM	TTT	ннн нн		ŤŤŤ	III
MMM MMM	TTT	ннн нн		ŤŤŤ	III
MMM MMM	ŤŤŤ	ннн нн		ŤŤŤ	iii
MMM MMM	ŤŤŤ	нин ин		ŤŤŤ	iii
MMM MMM	ŤŤŤ	нин ин		ŤŤŤ	iii
MMM MMM	ŤŤ				
		ннн нн		III	LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL
MMM MMM	III	нин ни		III	LLLLLLLLLLLLLLLL
MMM MMM	111	ннн нн	RRR RRR	TTT	LLLLLLLLLLLLLLL

`GGGGGG GGGGGG

000000 00 00 00 00	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	\$	MM		00000000 00000000000000000000000000000	
		\$				

015

OTSSMULCG - G COMPLEX*16 Multiplication Routine 16-SEP-1984 01:54:30 VAX/VMS Macro V04-00 Page 0

(2) 43 Edit History
(3) 46 DECLARATIONS
(4) 77 OTSSMULCG_R3 - G COMPLEX*16 Multiplication

BAS EXP MTH MTH MTH OTS

OTS Syn

PSE

Pha Ini Com Pas Sym Pas Cro Ass

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MAC

16-SEP-1984 01:54:30 VAX/VMS Macro V04-00 6-SEP-1984 11:27:42 [MTHRTL.SRC]OTSMULCG.MAR;1 - G COMPLEX*16 Multiplication Routine Page .TITLE OTS\$MULCG - G COMPLEX*16 Multiplication Routine .IDENT /1-001/ ; File: OTSMULCG.MAR COPYRIGHT (c) 1978, 1980, 1982, 1984 BY DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. ALL RIGHTS RESERVED. 10 112 134 156 17 THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY TRANSFERRED. 189012345678901 THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT CORPORATION. DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. FACILITY: Language-independent support library ABSTRACT: A routine to provide compiled code support for G COMPLEX*16 multiplication. 36 37 38 39 ENVIRONMENT: User Mode, AST Reentrant

AUTHOR: Steven B. Lionel, CREATION DATE: 13-July-1979

**

(1)

- G COMPLEX*16 Multiplication Routine 16-SEP-1984 01:54:30 VAX/VMS Macro V04-00 Page 2 Edit History 6-SEP-1984 11:27:42 [MTHRTL.SRC]OTSMULCG.MAR;1 (2)

000 43 .SBTTL Edit History 000 44 : 1-001 - Original. SBL 13-July-1979 OT Ta

0TS

MTHSFLAG_JACKET

MOVAB

128 :+

GAMTHSSJACKET_HND, (FP)

00000000 GF

: Establish math error handler

: handler

set handler address to jacket

01

```
01
```

```
OTS$MULCG
                                         - G COMPLEX*16 Multiplication Routine
                                                                                              16-SEP-1984 01:54:30
6-SEP-1984 11:27:42
                                                                                                                          VAX/VMS Macro V04-00
[MTHRTL.SRC]OTSMULCG.MAR; 1
Symbol table
                    = 00000004
                   = 0000000C
= 00000014
                    = 0000001C
MTH$$JACKET_HND
                      *******
OTS$MULCG_R3
                      00000000 RG
                                                                Psect synopsis
PSECT name
                                                                   PSECT No.
                                         Allocation
                                                                                 Attributes
                                         00000000
    ABS
                                                                                           USR
                                                                                                   CON
                                                                                                                  LCL NOSHR NOEXE NORD
                                                                                                                                              NOWRT NOVEC BYTE
OTSSCODE
                                         0000002E
                                                                                   PIC
                                                                                           USR
                                                                                                   CON
                                                                                                           REL
                                                                                                                  LCL
                                                                                                                          SHR
                                                                                                                                 EXE
                                                                                                                                         RD
                                                                                                                                              NOWRT NOVEC LONG
                                                            Performance indicators
Phase
                                Page faults
                                                    CPU Time
                                                                       Elapsed Time
----
                                                                      00:00:01.03
00:00:07.31
                                                    00:00:00.09
Initialization
                                                    00:00:00.83
Command processing
                                                                      00:00:04.60
00:00:00.01
00:00:02.79
                                                    00:00:00.60
Pass 1
                                                    00:00:00.00
Symbol table sort
                                                    00:00:00.46
Pass 2
                                                                       00:00:00.01
                                                    00:00:00.01
Symbol table output
                                                    00:00:00.02
                                                                       00:00:00.02
Psect synopsis output
                                                    00:00:00.00
                                                                       00:00:00.00
Cross-reference output
Assembler run totals
                                                    00:00:02.02
                                                                       00:00:15.77
The working set limit was 750 pages.
2250 bytes (5 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 6 non-local and 0 local symbols.
202 source lines were read in Pass 1, producing 11 object records in Pass 2.
1 page of virtual memory was used to define 1 macro.
                                                         4-----
                                                           Macro library statistics !
Macro library name
                                                          Macros defined
                                                                        0
 $255$DUA28:[SYSLIB]STARLET.MLB:2
O GETS were required to define O macros.
```

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL, TRACEBACK)/LIS=LIS\$:OTSMULCG/OBJ=OBJ\$:OTSMULCG MSRC\$:MTHJACKET/UPDATE=(ENH\$:MTHJACKET)+MSRC

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